

CLAIM AMENDMENTS

1. (currently amended) An apparatus for shaping and/or
folding can bodies [(11)], the apparatus having at least two
oppositely rotating shaping tools (12 and 13) of which one is
mounted on an outer end of an arm [(14)] for radial movement,
wherein the arm (14) is being provided with a controllable drive
(15, 16, 17) comprised of a motor (15) with or without a step-down
drive (16) and an increment or angle sensor (17) sensor means for
detecting a position of the outer end of the arm.

1 2. (currently amended) The apparatus according to claim
2 1 wherein the arm [(14)] is pivotal.

1 3. (currently amended) The apparatus according to claim
2 2 wherein there are a plurality of the arms each pivot arm (14) is
3 provided with two tools (13a and 13b) that are used alternately for
4 shaping.

1 4. (currently amended) The apparatus according to claim
2 1 wherein by An apparatus for shaping can bodies, the apparatus
3 having at least two oppositely rotating shaping tools of which one
4 is mounted on an outer end of an arm for radial movement, the arm
5 being provided with a controllable drive comprised of a motor and
6 sensor means for detecting a position of the outer end of the arm,
7 the apparatus further comprising a calibrating body (10), in

8 particular a calibrating ring, that serves after changing of one of
9 the shaping tools as a reference point for setting at a null point
10 the increment or angle sensor [[(17)]] means.

1 5. (currently amended) The apparatus according to claim
2 1 wherein there are a plurality of such arms each in a multiple-
3 spindle carousel-type machine each arm (14) is connected with a
4 respective such externally controllable drive (15, 16, 17).

1 6. (currently amended) The apparatus according to claim
2 1 wherein, further comprising control means comparing change in
3 [[the]] an actual-value current output of the electrical drive
4 relative to an [[the]] angular position of the arm, and the
5 deriving therefrom a force curve, and comparing the derived force
6 curve derived from it is compared with a stored force curve and,
7 when a predetermined deviation is detected, culling out the
8 respective can body is culled out.

1 7. (currently amended) The apparatus according to claim
2 [[1]] 6, further comprising a memory for the force curves of
3 typical error situations.

1 8. (new) The apparatus according to claim 1, further
2 comprising a step-down transmission between the motor and the arm.

1 9. (new) The apparatus according to claim 1 wherein the
2 sensor means is an angular-position detector.

1 10. (new) The apparatus according to claim 1 wherein the
2 sensor means is an increment detector.

1 11. new) An apparatus for shaping a can body, the
2 apparatus comprising:

3 an inner shaping tool fittable inside the can body;
4 a freely rotatable outer shaping tool outside the can
5 body;

6 an arm having an outer end rotatably carrying the outer
7 shaping tool and an inner end, the arm being pivotal about its
8 inner end;

9 means for rotating the inner tool and the can body fitted
10 thereto about an axis and thereby also entraining and rotating the
11 outer tool;

12 a motor connected to the arm for controlledly pivoting
13 the arm and thereby controlledly moving the outer shaping tool
14 toward and away from the inner shaping tool;

15 a position detector connected to arm for sensing the
16 angular position thereof and the relative spacing of the inner and
17 outer tools; and

18 control mean including a memory for controlling the motor
19 in accordance with a sensed angular position of the arm.